IN THE CLAIMS

1. (Currently Amended) A computerized component architecture for medical device systems, comprising:

a body of software components having standardized software interfaces to medical device interface instruments and implantable medical devices (IMDs); and

at least one hardware module capable of executing the software components, with the at least one hardware module being deployable to multiple types of medical device interface instruments; said hardware module having means for communication with a data communications network, and with a medical device external to the hardware module, wherein said medical device interface instruments include the group consisting of: medical device programmers, medical device communication extenders, medical device system analyzers, and medical device monitors.

2. (Previously Presented) The computerized component architecture for medical device systems of claim 1, wherein at least one hardware module has processing and telemetry capabilities.

3. (Previously Presented) The computerized component architecture for medical device systems of claim 1, wherein at least one hardware module is installed within an interface instrument, to which it is deployable.

4. (Previously Presented) The computerized component architecture for medical device systems of claim 1, wherein the component software architecture is optimized to be executed on the hardware module.

5. – 25. (Cancelled)